

ABSTRACT OF THE DISCLOSURE

A diesel particulate filter (DPF) fixedly held by a holding member in a metallic case is disposed in an exhaust pipe of a diesel engine. The DPF is a monolithic structural body having a multiplicity of cells provided by porous cell walls. The DPF has wall flow structure in which the cells are blocked alternately with filler on an exhaust gas inlet side or an exhaust gas outlet side of the DPF. The cells in a peripheral area extending inward from a peripheral surface of the DPF by a predetermined width are blocked with the filler on both sides of the DPF. Thus, a peripheral heat-retaining layer having the width of 5 to 20mm is formed to improve temperature increasing performance at a particulate matter collecting area inside the peripheral heat-retaining layer.